

SYSTEM AND METHOD FOR CREATING DYNAMIC WORKFLOWS USING WEB SERVICE SIGNATURE MATCHING

ABSTRACT OF THE INVENTION

A system and method for dynamically implementing a chain of Web services from a client on the World Wide Web to execute a workflow. The described system includes: a database for storing a list of available Web services, wherein each listed Web service includes a description of a task performed by the Web service, and an input and output signature of the Web service; and a selecting system for forming the chain of Web services by selecting a Web service for each of a plurality of tasks in the workflow, wherein the selecting system matches input and output signatures to ensure that each selected Web service is compatible with adjacent Web services in the chain of Web services.